

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A recording and reproducing apparatus for recording a first packet stream containing first AV transport packets and first data table packets for managing the first AV transport packets, the recording and reproducing apparatus comprising:

a demultiplexer for demultiplexing the ~~[[a]]~~ first packet stream into the first AV transport packets and the first data table packets;

a memory for storing the first data table packets;

an AV decoder for decoding the first AV transport packets and outputting AV data;

an AV encoder for encoding the AV data and outputting second AV transport packets;

a data table packet generator for constructing second data table packets, based on the first data table packets stored in said memory, for managing the second AV transport packets ~~based on the data table packets;~~ and

a multiplexer for multiplexing the second AV transport packets and the second data table packets, and outputting the multiplexed second AV transport packets and second data table packets in a second packet stream;

wherein the second data table packets contain parental control information ~~contained in the first packet stream is included in management information for managing the second data table packets or second AV transport packets.~~

2. (Currently Amended) A recording and reproducing apparatus as described in claim 1, further comprising:

a digital tuner for receiving and demodulating digital broadcasts; and
a storage controller for recording the first packet stream or the second packet stream;
wherein the first packet stream or the second packet stream stored in the storage
controller is input to the demultiplexer.

3-6. (Canceled)

7. (Currently Amended) A recording and reproducing apparatus as described in claim
2, further comprising:

a program table data processor for collecting program information from the first packet
stream or the second packet stream and generating a program table; and

a user interface unit for receiving user input;

wherein the demultiplexer outputs the first AV transport packets and the first data table
packets for a program selected from the user interface unit.

8. (Currently Amended) A recording and reproducing apparatus as described in claim
7, wherein the storage controller records the first packet stream or the second packet stream
based on input from the user interface unit.

9. (Original) A recording and reproducing apparatus as described in claim 7, wherein
the AV encoder determines the compression rate based on input from the user interface unit.

10. (Currently Amended) A recording and reproducing apparatus as described in claim 1, further comprising an age setting unit for ~~inputting~~ setting a viewer age;

wherein the age set by the age setting unit and the parental control information are compared, and

an AV decoding process is run if the age set by the age setting unit is greater than or equal to the parental control information, and the AV decoding process is prohibited if not.

11. (Canceled)

12. (Currently Amended) A recording and reproducing method for recording a packet stream containing first AV transport packets and first data table packets for managing the first AV transport packets, the recording and reproducing method comprising the steps of:

~~a first step for demultiplexing [[a]]~~ the first packet stream into the first AV transport packets and the first data table packets;

storing the first data table packets in a memory;

~~a second step for decoding the first AV transport packets and outputting AV data;~~

~~a third step for encoding the AV data and outputting second AV transport packets;~~

~~a fourth step for constructing second data table packets, based on the first data table packets,~~ for managing the second AV transport packets based on the data table packets; and

~~a fifth step for multiplexing the second AV transport packets and the second data table packets,~~ and outputting the multiplexed second AV transport packets and second data table

packets in a second packet stream;

wherein the second data table packets contain parental control information ~~contained in~~
~~the first packet stream is included in management information for managing the second data table~~
~~packets or second AV transport packets.~~

13. (Currently Amended) A recording and reproducing method as described in claim
12, further comprising the steps of:

~~a sixth step for receiving and demodulating a digital broadcasts~~broadcast; and
~~a seventh step for determining a recording program to be recorded from the digital~~
~~broadcast received in the sixth said determining step;~~

wherein ~~the first~~said demultiplexing step comprises demultiplexing ~~demultiplexes the~~
first packet stream of the recording program determined to be recorded in the seventhsaid
determining step into the first AV transport packets and the first data table packets.

14-17. (Canceled)

18. (Currently Amended) A recording and reproducing method as described in claim
12, further comprising ~~an eighth~~ a step for entering of setting, by an age setting unit, a viewer
age;

wherein the age set by the age setting unit and the parental control information are
compared, and

an AV decoding process is run if the age set by the age setting unit is greater than or equal to the parental control information, and the AV decoding process is prohibited if not.

19. (Original) A computer-readable recording medium recording a program for executing on a computer the steps described in claim 12.

20. (Original) A program for executing on a computer the steps described in claim 12.

21. (Previously Presented) A recording and reproducing apparatus as described in claim 1, wherein the AV data is an analog signal.

22. (Previously Presented) A recording and reproducing apparatus as described in claim 1, wherein the AV data is a baseband signal.

23. (Currently Amended) A recording and reproducing method as described in claim 13, further comprising the steps of:

~~a ninth step for~~ collecting program information from the first packet stream or the second packet stream, and generating a program table; and

~~a tenth step for~~ receiving user input;

wherein ~~the first~~said demultiplexing step outputs ~~comprises outputting the first~~ AV transport packets and the first data table packets for a program selected by a user in ~~the tenth~~ said

receiving user input step.

24. (Currently Amended) A recording and reproducing method as described in claim 23, wherein ~~the seventh~~said determining step ~~determines~~comprises determining a recording program of either the first packet stream or the second packet stream based on the program selected by the user in ~~the tenth~~ said receiving user input step.

25. (Currently Amended) A recording and reproducing method as described in claim 13, wherein ~~the third~~said encoding step ~~determines~~comprises determining the compression rate based on input from the user in ~~the tenth~~said receiving user input step.

26. (Previously Presented) A recording and reproducing method as described in claim 12, wherein the AV data is an analog signal.

27. (Previously Presented) A recording and reproducing method as described in claim 12, wherein the AV data is baseband signal.